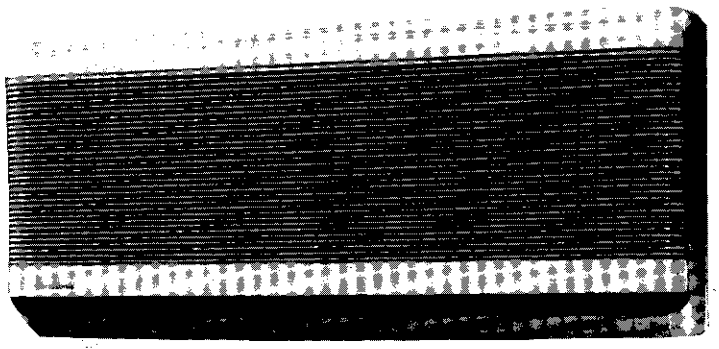
Operating Instructions

ROOM AIR CONDITIONER

Before using your air conditioner, please read this operation manual carefully and keep it for future reference.



CS-1273KR
CU-1273KR

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Panasonic

1. Product Component Identification

(1) Feature

1 Automatic Operation Mode page 9

As soon as you press the On button, the temperature sensor and built-in microcomputer begin working, controlling the room temperature by choosing between the Soft Dry and Cooling modes.

2 Soft Dry Operation Mode page 8

When the room air conditioner is turned on, the Cooling mode is activated to dehumidify the room. A gentle breeze then keeps the room fresh and cool while minimizing fluctuations in temperature. This mode is designed to be used when temperature is rather cool but the humidity is high.

3 ON/OFF Dual Setting Timer

page 13~14

Before leaving home in the morning, you can program the room air conditioner to turn itself on just before you return in the evening. Your home is comfortable when you get back without wasting electricity. The room air conditioner can be set in the same way to ensure your maximum comfort when sleeping.

4 Sleep Mode Auto Control

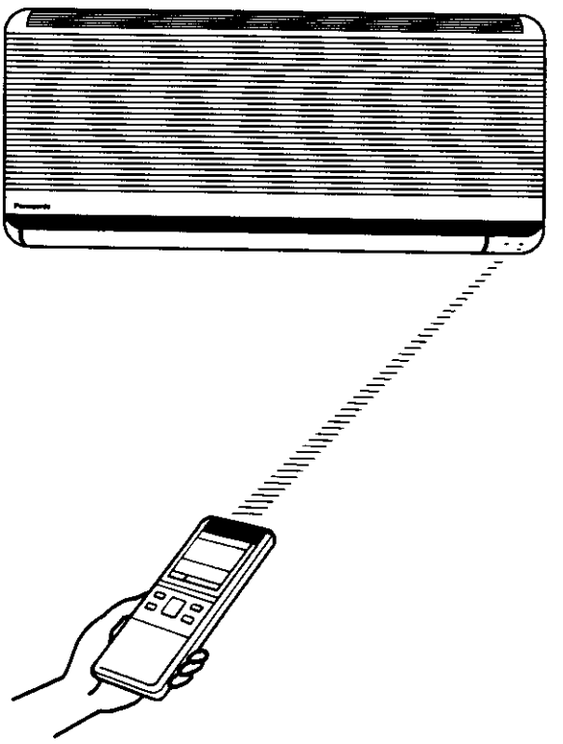
page 15

It creates a comfortable sleeping condition. At the start of Sleep Mode it raises the room temperature by one degree Centigrade. One hour later it raises the temperature another degree Centigrade.
The built-in microcomputer then maintains the temperature for five hours until automatically operation ends. The result is a more comfortable and invigorating sleep that leaves you feeling fresh and strong in the morning.

5 Airflow Direction Auto-Control

page 11~12

(At Cooling and Soft Dry Operation)
Vertical airflow direction louver automatically swings up and down.
Creates the feeling of a refreshing breeze.
(At Heating)
The louver will be set to the horizontal position when the airflow temperature is cool, such as the start of operation, and then move to downward when it become warmer.



Wireless Remote Control puts all functions at your fingertips.

Handling the remote control

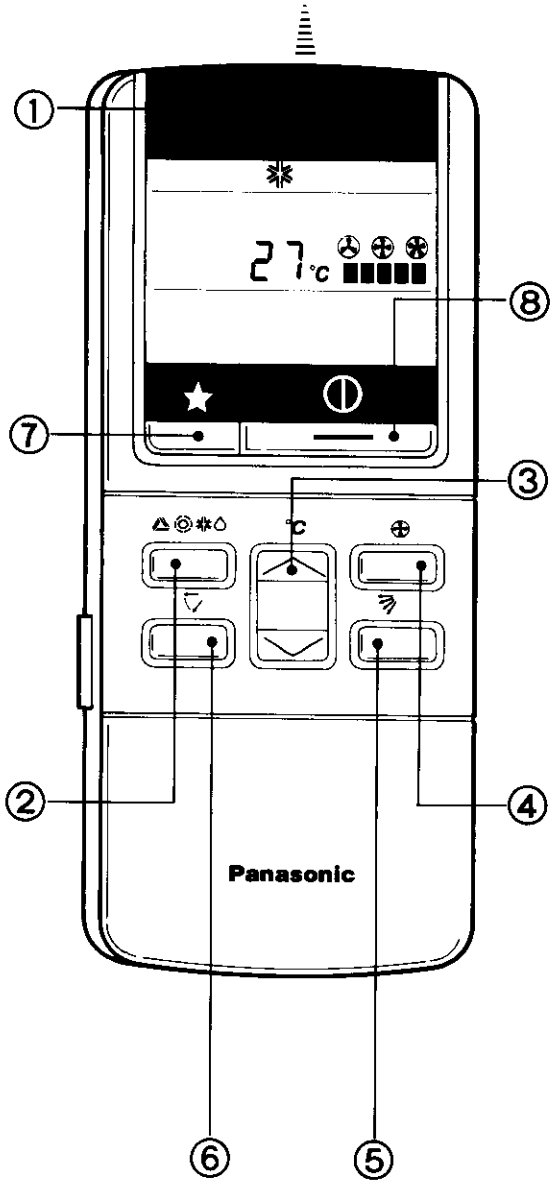
- Aim at the signal receptor on the room air conditioner when operating.
- The remote control signal can be received at a distance of up to about 10m.
- Be sure that there are no obstructions between the remote control and the signal receptor.
- Do not drop or throw the remote control.
- Do not place the remote control in a location exposed to direct sunlight, or next to a heating unit, or other heat source.

(2) Name and Function-Remote Control

Remote Control

Signal transmitter

Transmit the signals
to the room air conditioner.



① Operation Display

Displays the operation conditions.

② Operation Mode Selection Button

Used to select the type of operation mode.

- Automatic Operation Mode ..... [1]
- Heating Operation Mode
- Cooling Operation Mode
- Soft Dry Operation Mode ..... [2]

③ Room Temperature Setting Button

Use to adjust the temperature.

④ Indoor Fan Speed Selection Button

Use to select the desired fan speed in three steps from low to high.

⑤ Airflow Direction Manual Control Button

Press to set the desired airflow direction.

⑥ Airflow Direction Auto-control Button

For Automatic Airflow Direction Control.

⑦ Sleep Mode Auto Operation Button

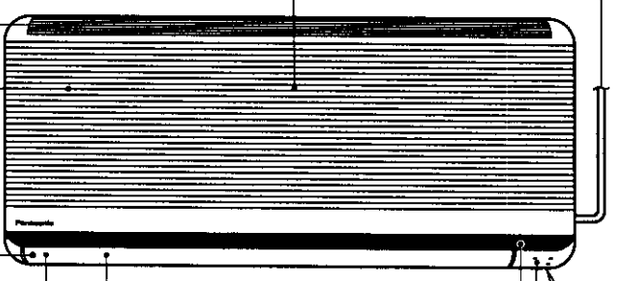
For Sleep Mode Auto Operation.

⑧ Start/Stop Button

Operation will start when this button is pressed, and stop when the button is pressed again.

(3) Indoor Unit, Outdoor Unit

Indoor Unit



Front Panel

Power Cord

Air Intake Vent

Horizontal Airflow Direction Louver

Signal Receptor

Receives the signals from the remote control.
(Signal received sound: low short beeps or one long beep)

Vertical Airflow Direction Louver

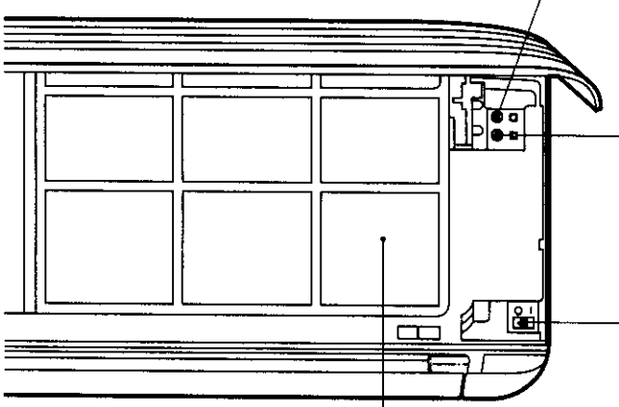
Air Outlet Vent

Operation Indication Lamp

Illuminates when the air conditioner is in operation.
(Blinks on and off at the start of automatic operation.)

Indoor unit controls and indicators

Open



Cooling Test Operation Button

Use when installing and moving.
Normally it should not be used.

Forced Operation Button

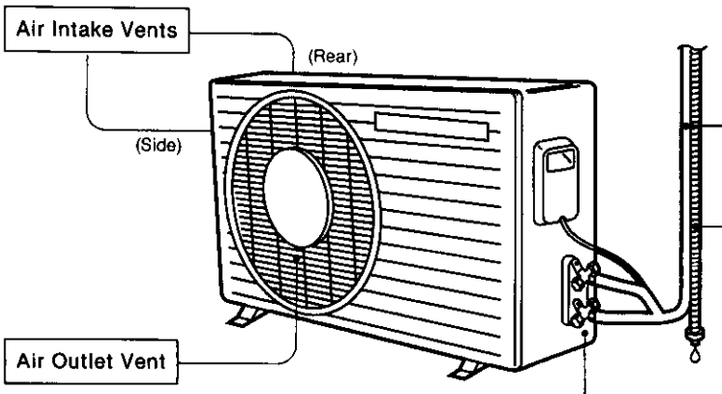
Use when the remote control is not used.

Power Switch

Set to "O" (OFF) if the air conditioner is not going to be used for an extended period of time.

Air Filter

Outdoor Unit



Air Intake Vents

(Rear)

(Side)

Piping

Air Outlet Vent

Ground Terminal

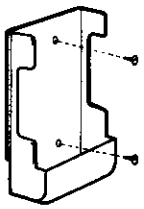
Drain Hose

(4) Remote Control Preparation

How to mount onto a wall.

1 Fix the holder with screws when mounted onto a wall.

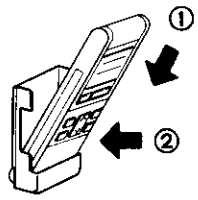
Confirm that the remote control signals can be received from this location.



2 To put in the remote control to the holder.

① Put in.

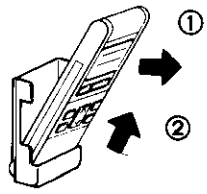
② Press.



To remove

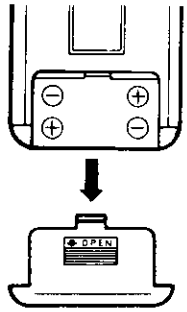
① Pull

② Take out

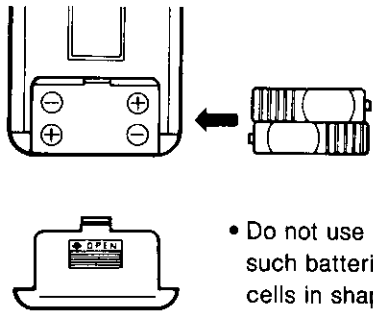


How to insert batteries

1 Remove the cover from the back of the remote control.
- Slide the cover according to the arrow direction.

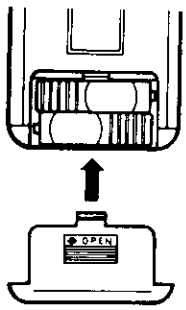


2 Insert the two batteries.
(Two R03, UM-4 Panasonic dry-cell batteries or equivalent.)
- Be sure that the (+) and (−) directions are correct.
- Be sure that both batteries are new.



- Do not use rechargeable batteries, such batteries differ from standard dry cells in shape, dimensions, and performance.

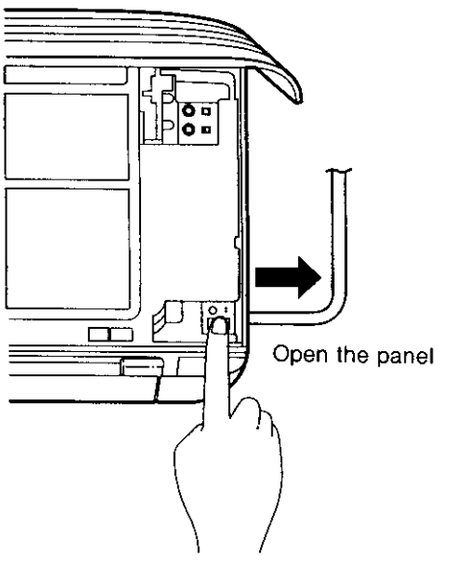
3 Re-attach the cover.
- Slide it back into position.
- Remove the batteries from the remote control if the air conditioner is not going to be used for an extended length of time.



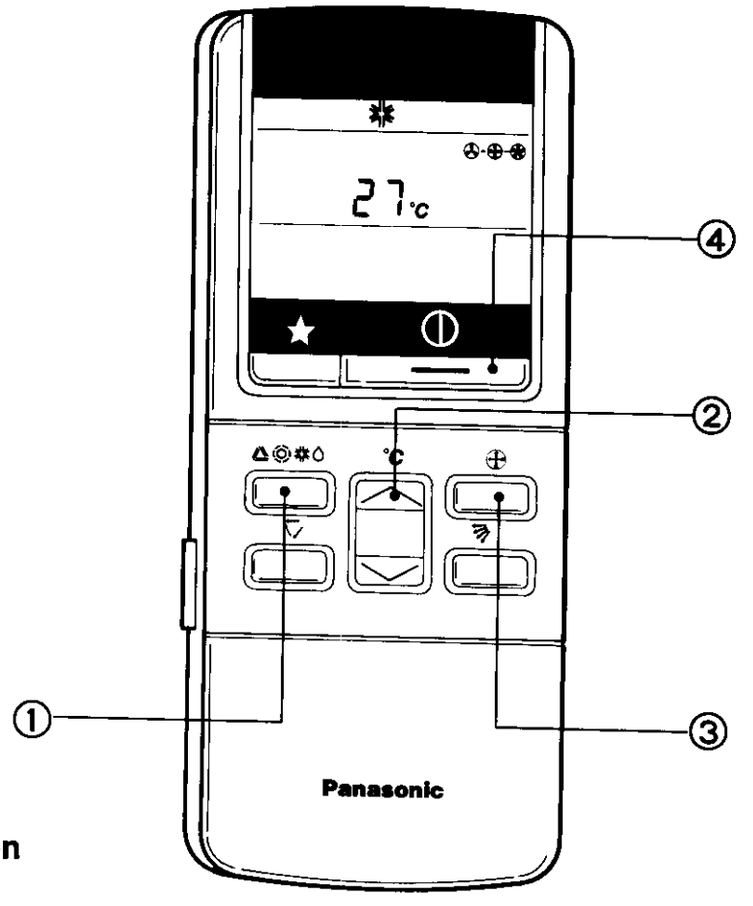
2. Air Conditioner Operation

(1) Operation Procedure

Indoor Unit



Set the Power Switch to "I" (ON)



① Operation Mode Selection Button

② Room Temperature Setting Button

③ Indoor Fan Speed Selector

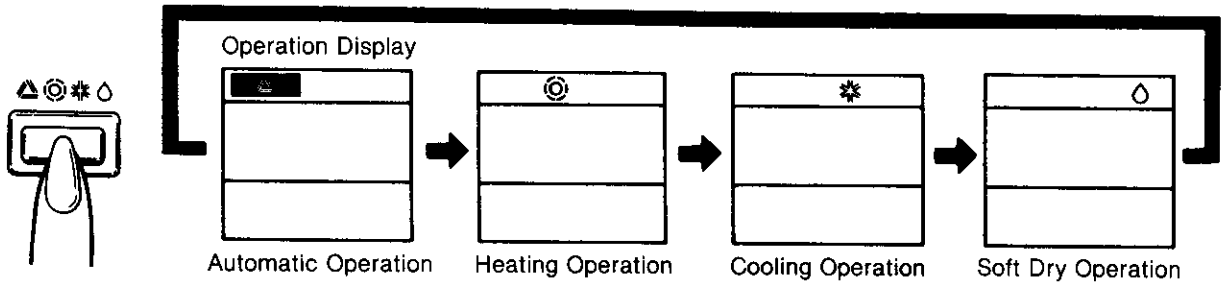
④ Start/Stop Button

Combination of Air Conditioner Operation

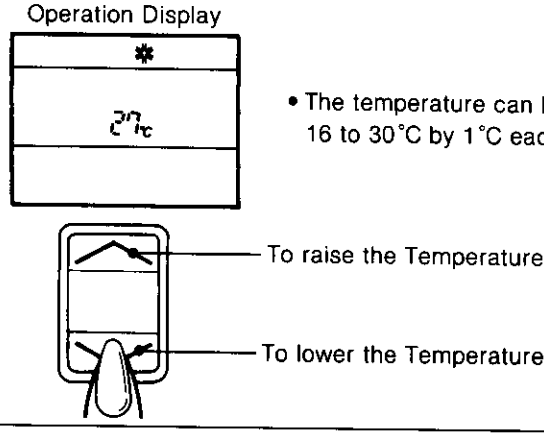
	Cooling Operation Mode (Page 6)	Heating Operation Mode (Page 7)	Soft Dry Operation Mode (Page 8)	Automatic Operation Mode (Page 9)
Auto Airflow Direction (Page 11)	●	●	●	●
Timer or Sleep Mode (Page 13)	●	●	●	●

① Cooling Operation Mode

1 Select Cooling Operation.
Press the Operation Mode Selection Button.
Each time the button is pressed, the operation mode is shifted in the arrow direction.

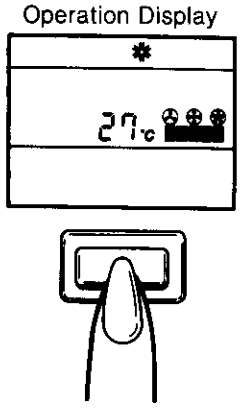


2 Set the temperature.



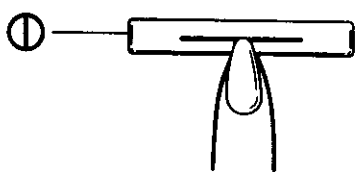
- The temperature can be set within a range of 16 to 30°C by 1°C each step.

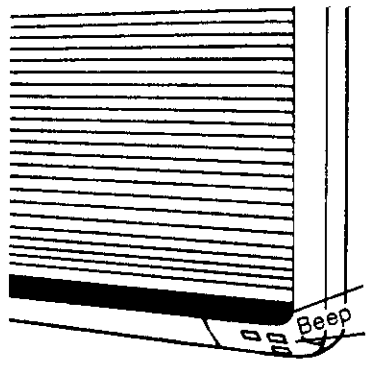
3 Set the fan speed.



- Except when in the Auto Operation Mode, fan speed can be selected in three steps, high, medium, low.
- The display here shows the fan speed to "high".
- .....For automatic
  The speed of the indoor fan is adjusted automatically to "High" if the compressor is in operation, and to "Medium" speed if the compressor is stopped.

4 Press the Start/Stop Button.

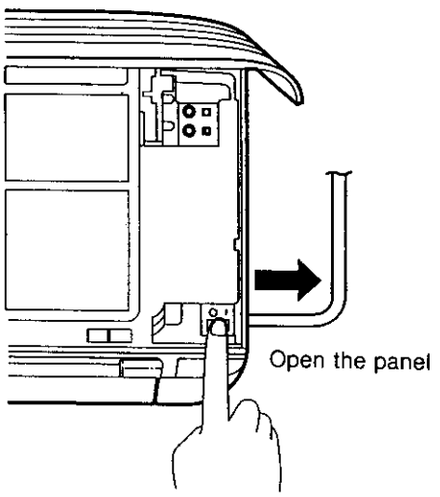




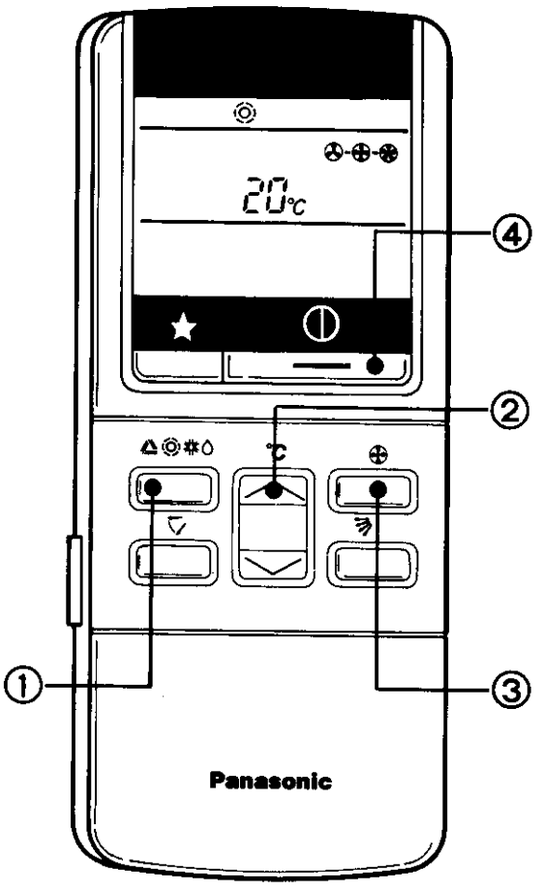
② Heating Operation Mode

Operation Procedure

Indoor Unit

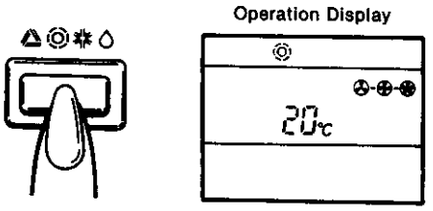


Remote control

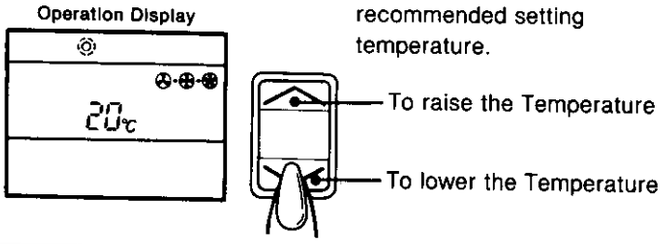


Set the Power Switch to "I" (ON)

1 Select Circulation Operation.
Press the Operation Mode Selection Button.



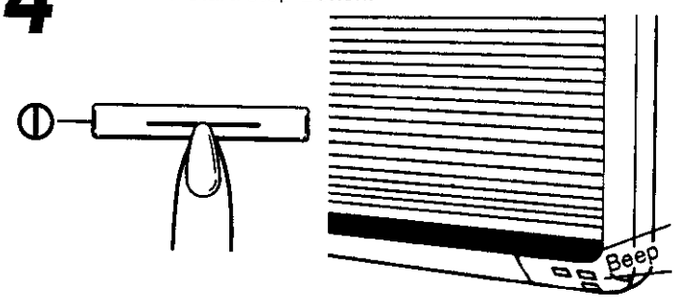
2 Set the temperature.



- Usually 20~24°C is a recommended setting temperature.

3
- The fan speed is setting speed.
- The fan speed is automatically changed Med, Low, Super Low depend on discharge temperature.

4 Press the Start/Stop Button.

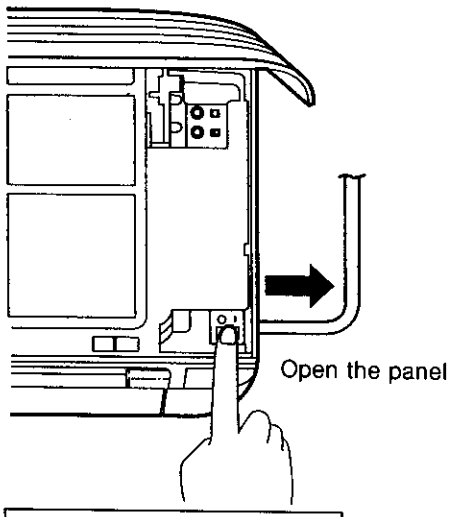


③ Soft Dry Operation Mode

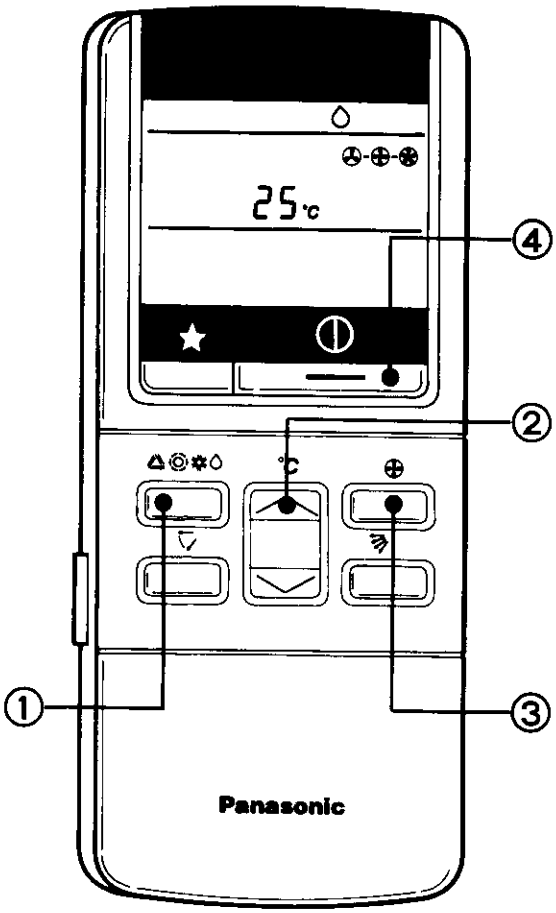
This mode dehumidifies without overcooling.

Operation Procedure

Indoor Unit

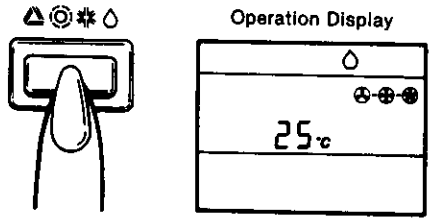


Remote control

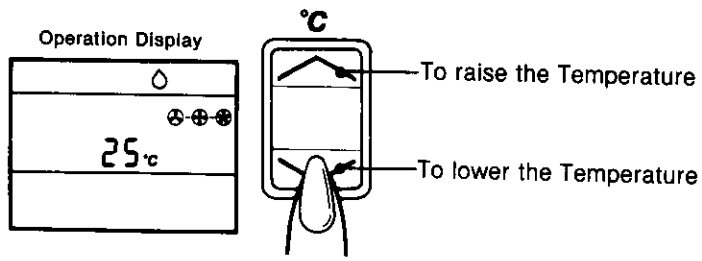


Set the Power Switch to "I" (ON)

1 Select Soft Dry Operation.
Press the Operation Mode Selection Button.

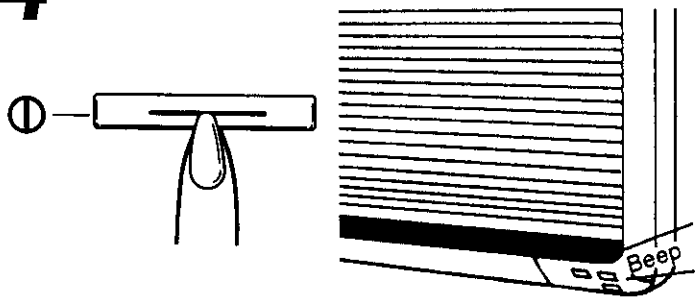


2 Set the temperature.



3 The fan speed is automatically set to super low.

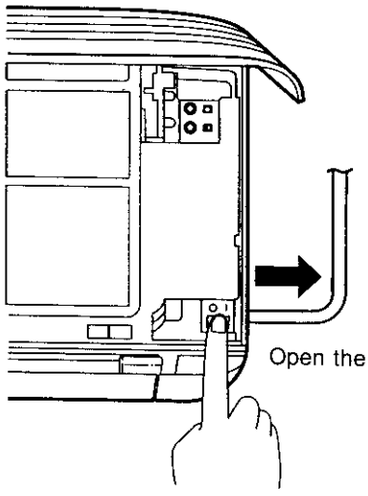
4 Press the Start/Stop Button.



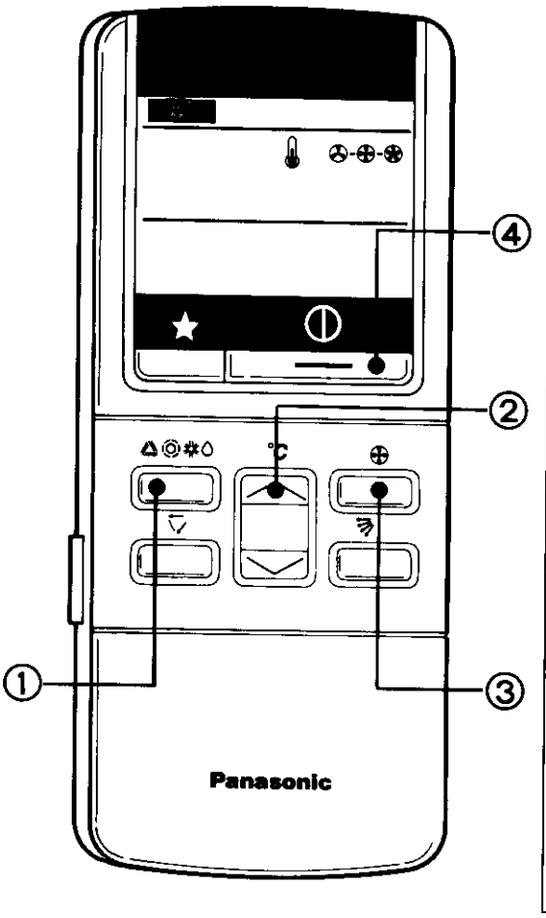
④ Automatic Operation Mode

Operation Procedure

Indoor Unit

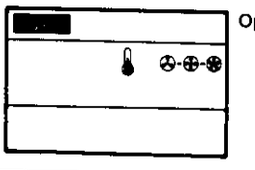


Remote control



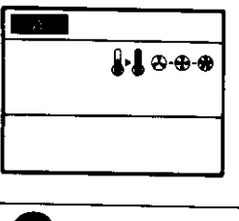
Set the Power Switch to "I" (ON)

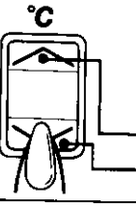
1 Select Automatic Operation.
Press the Operation Mode Selection Button.



2 Set the temperature.

Operation Display



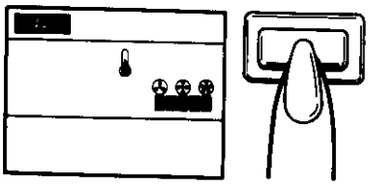


- Depending on your personal preference, clothing, etc. the set temperature can be set to 2°C higher or lower than the standard if desired.

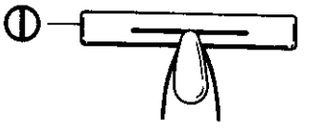
3 Set fan speed.

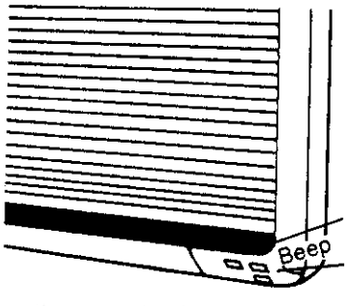
- Select the fan speed in three steps, low through high.
- The display here shows the fan speed to "high".

Operation Display



4 Press the Start/Stop Button.



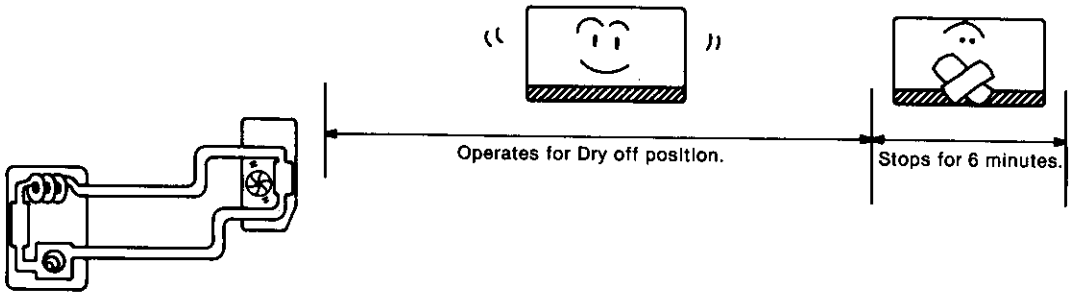


(For automatic operation, the operation lamp will first blink on and off for 20 seconds and then remain lit.)

(2) Operation Details

① Soft Dry Operation Mode

- Soft Dry Operation Mode is a gentle cooling operation that does not lower the room temperature so much.
- The operation will be standard cooling until the temperature of the room reaches the temperature set on the remote control, and then operation will switch to Soft Dry.
- During Soft Dry operation, the fan speed automatically changes to super low, and the operation will be dry off position and stop for six minutes.



② Automatic Operation Mode

- At the start of operation, the air conditioner will sense the temperature of the room and automatically select either Cooling, Soft Dry or Heating.
  (The operation lamp will blink on and off for 20 seconds.)
- Once the type of operation is set, it will not change.
- Set the fan Speed as desired.
- The setting temperature can be set to "Standard", 2°C "higher" or "lower" than the standard if desired. (Press the Room Temperature Setting Button as desired.)

Room Temperature	Type of Operation	Setting Temperature		
		Higher	Standard	Lower
25°C and above	Cooling	29°C	27°C	25°C
Below 25°C~ 21°C and above	Soft Dry	26°C	24°C	22°C
Below 21°C	Heating	24°C	22°C	20°C

③ Heating

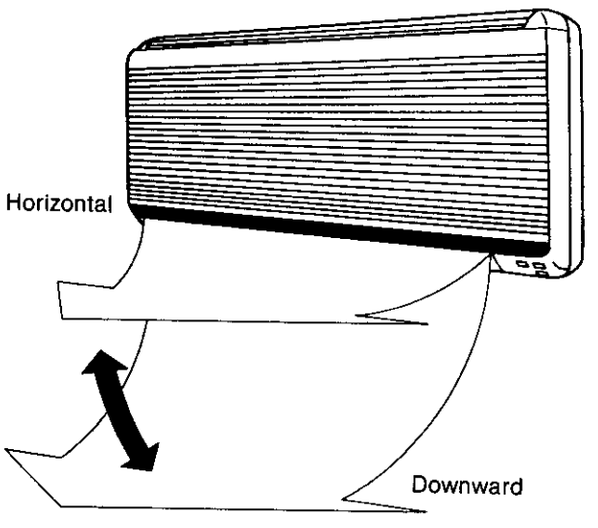
Hot Start: Airflow begins after its temperature become warm to avoid an undesired cooling effect.
Deicing: Depend on the outdoor temperature, the operation occasionally stops during operation to melt the ice on the outdoor unit.

(3) Airflow Direction Procedure

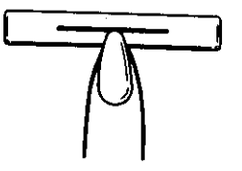
[1] Vertical Airflow Direction Control

① Airflow Direction Manual-control

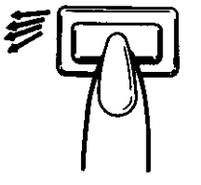
The airflow direction can be adjusted as desired by using the remote control.
This is effective when you want to cool yourself directly, such as when coming out of the bath.
The louver can be adjusted within a range between the horizontal and 30 degrees downward at Cooling and Soft Dry Operation, and between the horizontal and 60 degrees downward at Heating Operation.



Press Start/Stop Button.
(Confirm the unit on operation)



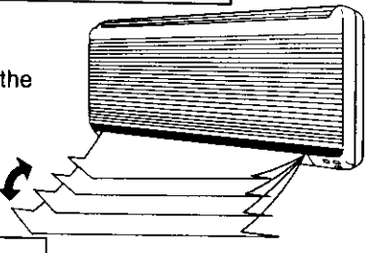
5 Hold the Airflow Direction Manual Control Button pressed, and release at the desired airflow direction.



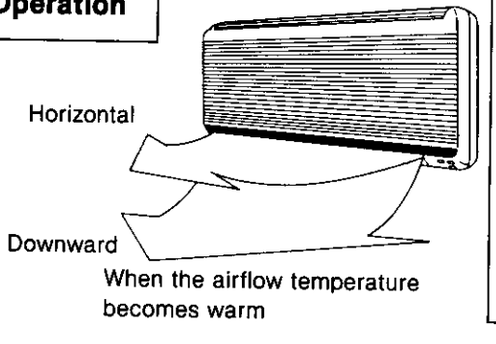
② Automatic Airflow Direction Operation

At Cooling and Soft Dry Operation

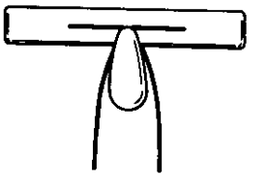
The louver will automatically swing up and down to create the feeling of refreshing breeze.



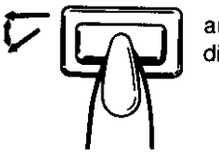
At Heating Operation



Press Start/Stop Button.
(Confirm the unit on operation)



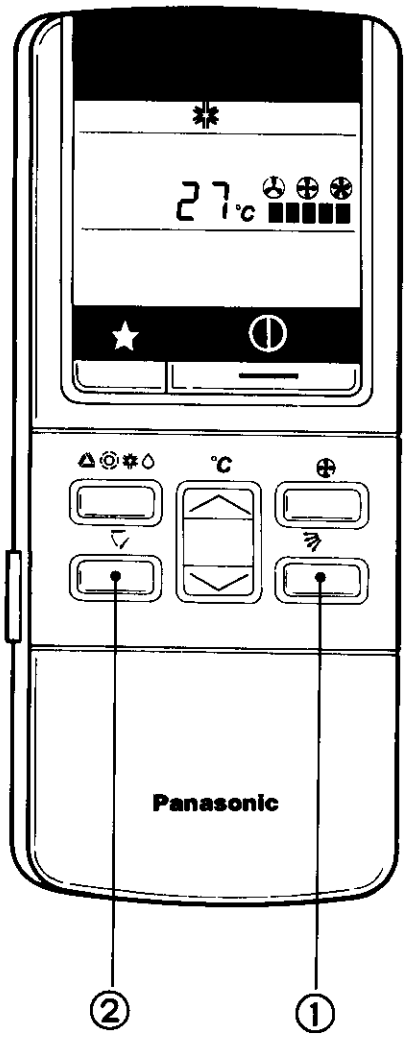
5 Press the Airflow Direction Auto-Control Button.



automatic airflow direction

To switch to manual airflow direction setting, simply press the airflow direction setting button.

Remote Control



① Airflow Direction Manual Control Button

② Airflow Direction Auto-Control Button

Note

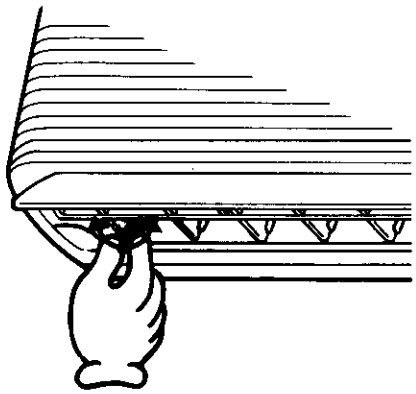
- Once the power switch has been set to "OFF" the air conditioner will be set to automatic airflow direction operation when it is set back to "ON".

Caution

- Always use the remote control to adjust the airflow direction. Manually moving the vertical airflow direction louver by hand could cause operation errors. If this occurs, set the power switch to "OFF" and then back to "ON" so that the louver returns to the correct position.
- When air conditioner operation is stopped, the vertical airflow direction louver will close the air conditioner's air outlet vent.

2 Horizontal Airflow Direction Control

- Adjust the horizontal airflow direction by manually moving the horizontal airflow direction louver by hand.



(4) Timer Setting

To same timer operation is possible automatically from the next day once the time is set.

To cancel the schedule

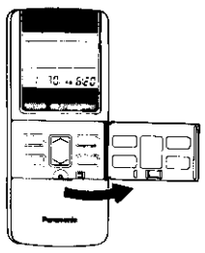
(Example)
Cancel ON TIMER

1 Press ON TIMER button ( ).

2 Press Cancellation button ( ).

(Timer lamp goes out.)

When you set the timer,
Open the remote control door.



To change the schedule time

(Example)
Change ON TIMER from 6 : 20 PM to 7 : 20 PM.

1 Press ON TIMER button ( ).

2 Set to 7 : 20 PM.

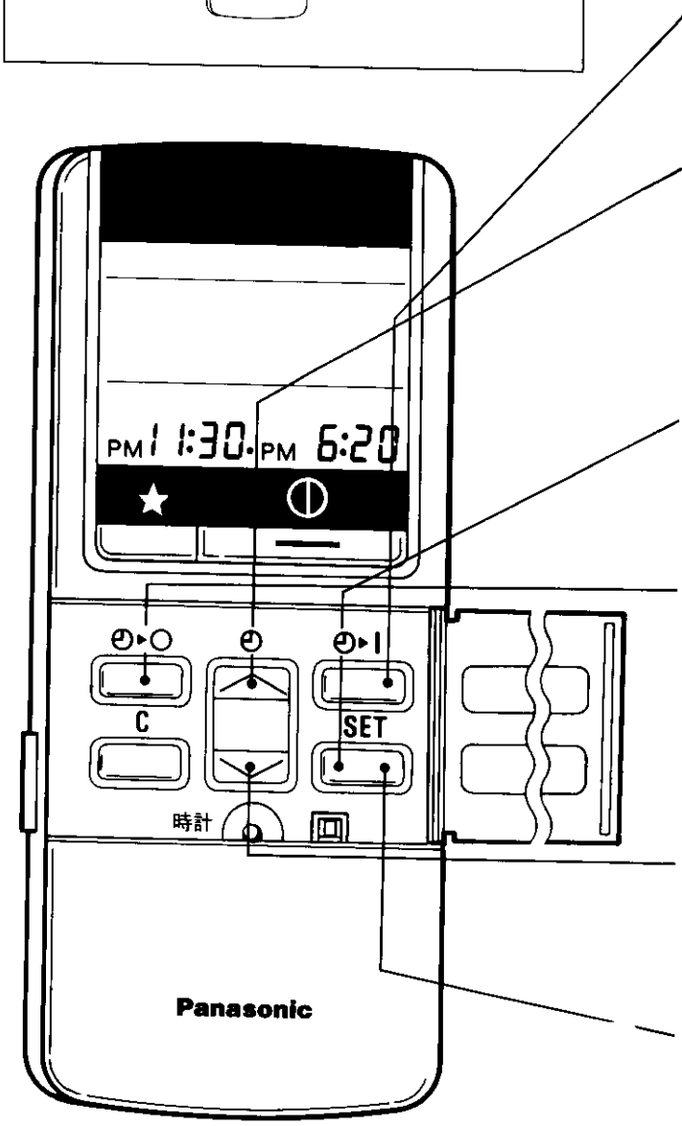
3 Press Schedule button ( ).

If the schedule is cancelled by a power failure

(Example)
Electrical power fail when the OFF TIMER is set for 11 : 30 PM.

1 Press OFF TIMER button ( ).

2 Press Schedule button ( ).



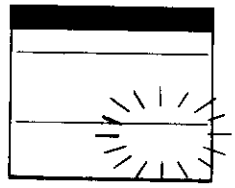
Timer setting procedure

(Example) To begin operation at 6 : 20 PM and stop at 11 : 30 PM.

When using the ON TIMER only: Steps 1-3. (For when you come home)

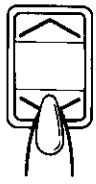
When using the OFF Timer only: Steps 4-6. (For when you sleep)

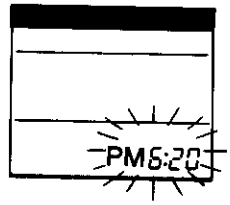
1 Press ON TIMER button.



• ON TIMER lamp blinks.

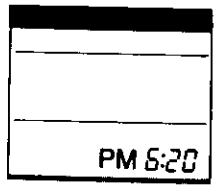
2 Set the hour and minute.
Set to 6 : 20 PM.





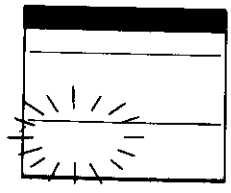
• Press button (⏩) to advance the timer and button (⏪) to go back.

3 Press Schedule button.



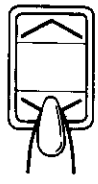
• Timer lamp lights up.

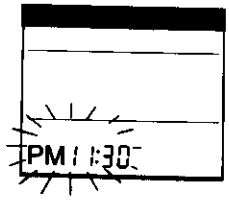
4 Press OFF TIMER button.



• OFF TIMER lamp blinks.

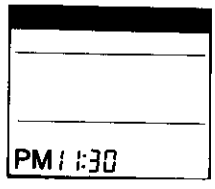
5 Set the hour and minute.
(Ex.) Set to 11 : 30 PM.





• Press button (⏩) to advance the time and button (⏪) to go back.

6 Press Schedule button.



• Timer lamp lights up.

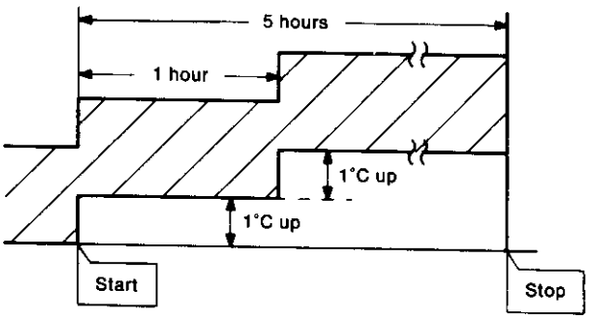
(5) Details of Sleep Mode

Sleep Mode operates to match your sleeping condition.

① At Cooling or Soft Dry operation

When you set the sleep Mode (☆), the following movement will start to avoid overcooling.

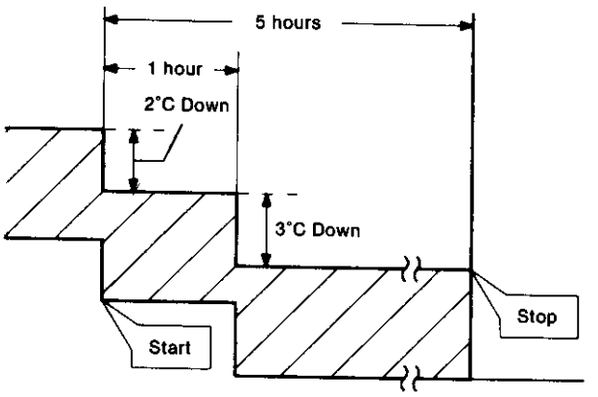
- The fan speed is automatically set to low.
- The setting temperature will be rise by 1°C at the start of operation and by 1°C one hour later.
- The operation will stop after 5 hours.



② At Heating operation

When you set the sleep Mode (☆) the following movement will start to avoid overheating.

- The fan speed is automatically set to low.
- The setting temperature will be dropped by 2°C at the start of operation and by 3°C one hour later.
- The operation will stop after 5 hours.

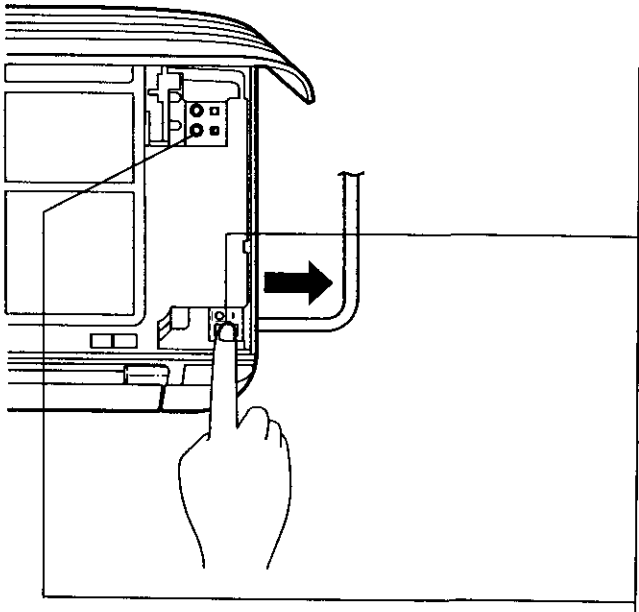


3. Forced Operation

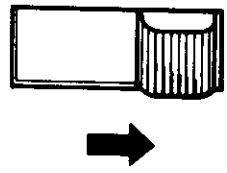
When the remote control can't be used.

"Operation procedures"

Forced operation is automatic operation, the airflow direction setting will be automatic.



1 Set the Power Switch to "I" (ON)



2 Press the Forced Operation Button.

(The operation indication lamp will blink for 20 seconds, and then light up.)

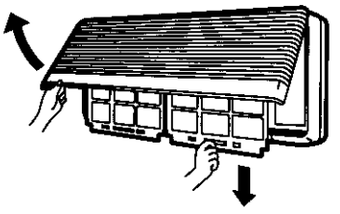
- If the button is pressed once more, the air conditioner will stop.

(The operation indication lamp will switch off.)

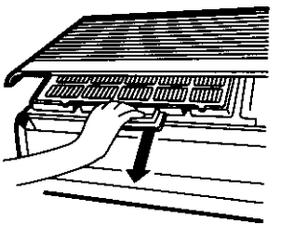
4. Care and Maintenance

Replacement of Air Cleaning Filters (Recommended about once every three months)

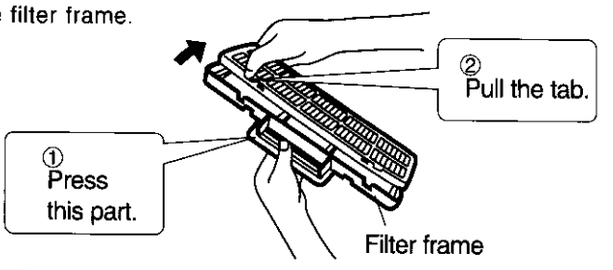
1 Remove the Air Filters.



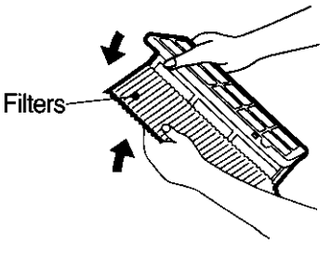
Remove the Air Cleaning Filters.



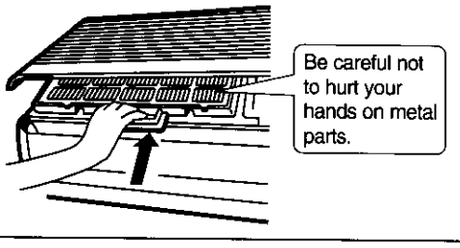
2 Remove the filter from the filter frame.



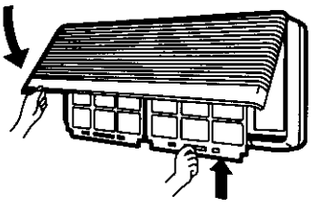
3 Insert new filters.



4 Re-insert the Air Cleaning Filters (One each at right and left).

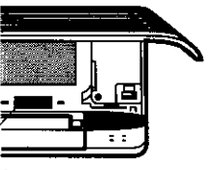


Re-insert the Air Filters.



Caution

- If Air Cleaning Filters turn the same colour as the sample colour attached to the indoor unit within a three month period, replace the filters.
- Dusty filters cannot be re-used, even if they are cleaned and washed.
- Purchase replacement filters from your air conditioner dealer.
- Part number for Air Cleaning Filters: CZ-SF2N

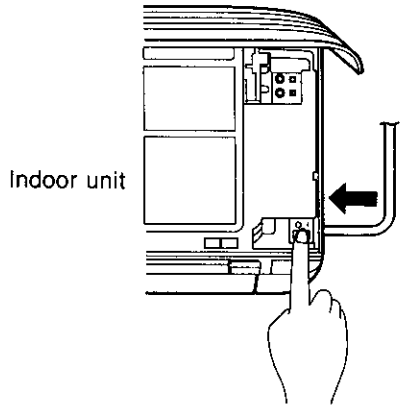


Information

- When the air cleaning filters are installed, the air flow amount decreases, resulting in a slight loss of air conditioning performance.

Before performing any maintenance procedure

Set the Power Switch to "O" (OFF)



Don't water to the air conditioner.

Never use any of the followings.

- Water above 40°C

Could cause deformation and/or discoloration.

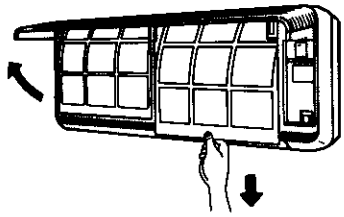
- Volatile substances

Could damage the surfaces of the air conditioner.

During the season

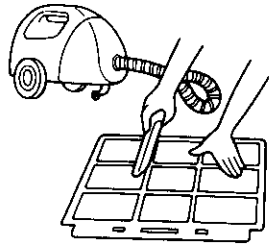
Cleaning of the air filters
Recommended about once every two weeks.

1 Remove the Air Filters.
Take hold of the tab and pull slightly forward to remove the filter.



2 Clean

- To remove the dust adhering to the filters, either use a vacuum cleaner, or wash them in water and dry in the shade.
- Re-insert the filter with the side marked "FRONT" facing forward.



If the Air Filters become damaged

- Purchase replacement filters from your air conditioner dealer.

Cleaning of the air conditioner and the remote control

- Wipe gently with a soft, dry cloth.

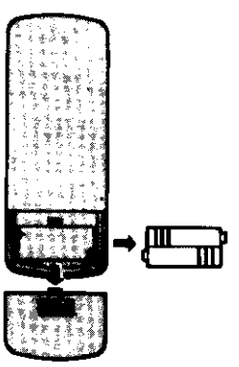
At the end of the season

1 Operate the air conditioner at the following settings for 2 to 3 hours.

- Type of operation: cooling
- Temperature setting: 30°C

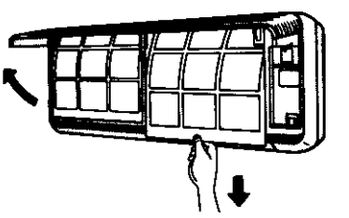
In order to dry out the internal mechanisms.

2 Remove the batteries from the Remote Control.



At the start of the season

1 Clean the air filters, re-insert them, and operate the air conditioner

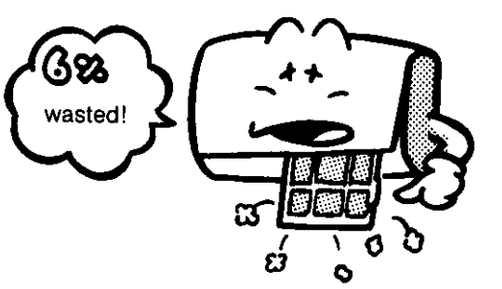


2 Be sure that nothing obstructs the air outlet and intake vants.

Helpful information

The air filters and your electric bill

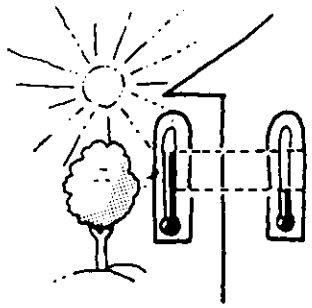
If the air filters become clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.



5. Operation Tips

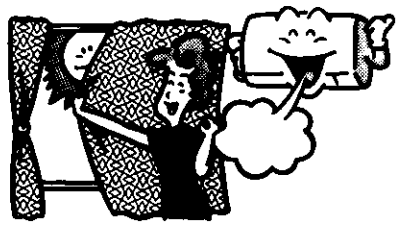
Do not overcool the room.

This is not good for health and wastes electricity.



Keep blinds or curtains closed.

Do not let sunshine enter the room directly when the air conditioner is in operation.

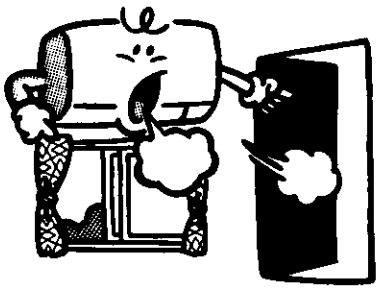


Keep the room temperature uniform.

Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.

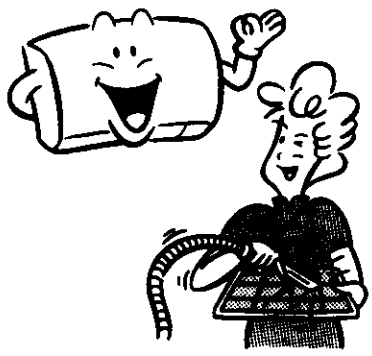
Make sure that the doors and windows are shut tight.

Avoid opening doors and windows as much as possible to keep the cool air in the room.



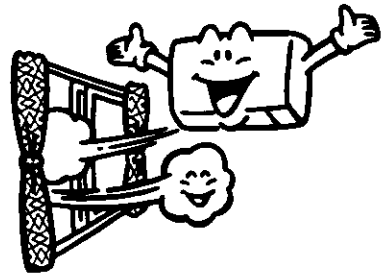
Clean the air filter regularly.

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.
(See page 18)



Ventilate the room occasionally.

Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.



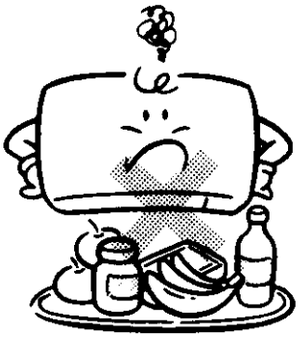
6. Caution

Do not pull out the power cord.

Damage to the cord may result in serious electrical shocks.

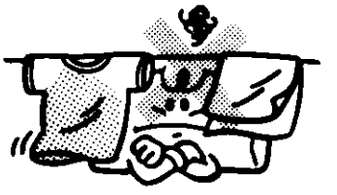
Do not use the air conditioner for purposes other than cooling the room.

Do not use the air conditioner for other purposes, such as drying clothes, preserving foods, keeping animals, or cultivating vegetables.



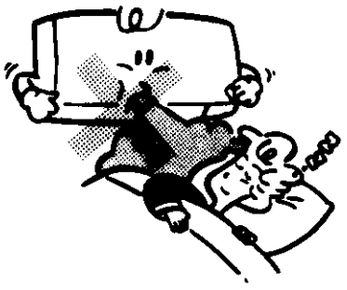
Do not block the air intake and outlet vents.

This causes lowered performance and irregular operation. Do not insert sticks or other objects into these vents as it is dangerous to touch the electric components and the fan.



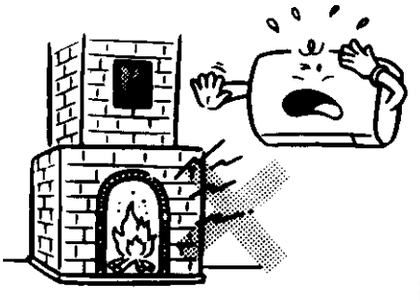
Select the most appropriate temperature.

Take care to adjust the temperature to suit the conditions. Rooms occupied by young infants, the elderly, or the sick should be kept at an appropriate temperature.



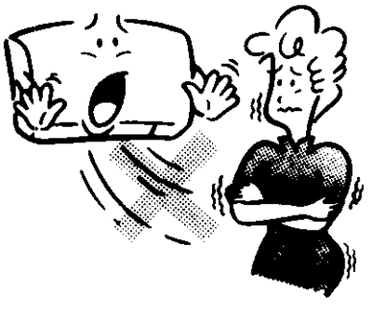
Do not use heating apparatuses in the vicinity.

The air conditioner's plastic parts may melt if exposed to excessive heat.



Avoid exposing the body directly to a continuous unidirectional airflow for long periods.

This is not recommended for health reasons.



7. Before Calling For Service

Check the following points before requesting repairs or service.....If the malfunction persist, please contact your dealer.

Faults	Cause
Does not operate.	• Has the circuit breaker been tripped? • Is the Power Switch at OFF? • Have you made a mistake in timer operation? • Is the unit at the starting of Heating Operation? If yes, Hot-start is activating. • Is the unit in the Deicing? If yes, wait for finishing the Deicing.
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning Instructions. (page 18) • The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down. • Has the temperature been set incorrectly? • Are the indoor unit's air inlet or outlet vents obstructed? • The weather is quite cold, the unit repeats the Heating and the Deicing, so that we recommend you to aid with another heating apparatus.
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.
The air conditioner operation is noisy.	• For a noise that sounds like water flowing: This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. This is the sound of reversing the freon flow inside the unit at the starting and finishing the Deicing during Heating Operation.
It seems that condensation is leaking from air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm air.
Air conditioner does not operate for about 4 minutes~5 minutes when restart.	• This is to protect the mechanism. Wait about 4 minutes~5 minutes and operation will begin.
Remote control display is faint, or no display at all.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (−) directions?

Faults	Cause
Airflow does not begin immediately during heating operation.	• If the airflow begins before its temperature become warm, it will cause an undesired cooling effect. In order to prevent this, the airflow will not begin until it is sufficiently warm. (The operation lamp will blink on and off until the airflow begins.)
Operation stops for about 12 minutes during heating. (The operation lamp blinks on and off.)	• This is to melt the frost which has accumulated on the outdoor unit (defrosting operation). This will take no longer than about 12 minutes, so wait for opertion. (Frost accumulates on the outdoor unit when the outdoor temperature is low and the humidity is high.) Water comes out of the outdoor unit.

WARNING

This appliance must be earthed.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green and Yellow:	Earth
Blue:	Neutral
Brown:	Live

"As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green and yellow.
The wire which is coloured blue must be connected to the terminal which is marked with letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with letter L or coloured red."

NOTE

Disconnect the mains plug from the supply socket when not in use, where supply connection is via mains plug

If the supply cord on this appliance is damaged, it must be replaced by a special cord which is only obtainable from the manufacturer or his agents.

CAUTION

Remove power plug or disconnect from the mains before servicing this appliance.

Memo

Memo

Memo

Note

Please remember to record the following:

- Model Number _____
- Serial Number _____
- Dealer's Name _____
- Date Purchased _____

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